

# Sang-Chul Jung

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5922300/publications.pdf>

Version: 2024-02-01

196  
papers

3,865  
citations

109264

35  
h-index

182361

51  
g-index

197  
all docs

197  
docs citations

197  
times ranked

4034  
citing authors

#	ARTICLE	IF	CITATIONS
1	CO <sub>2</sub> -free hydrogen production by liquid-phase plasma cracking from benzene over perovskite catalysts. <i>International Journal of Hydrogen Energy</i> , 2024, 52, 885-893.	3.8	2
2	Suppression of the hazardous substances in catalytically upgraded bio-heavy oil as a precautionary measure for clean air pollution controls. <i>Journal of Hazardous Materials</i> , 2022, 421, 126732.	6.5	3
3	Catalytic removal of volatile organic compounds using black mass from spent batteries. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 161-166.	1.2	8
4	Photocatalytic hydrogen production using liquid phase plasma from ammonia water over metal ion-doped TiO <sub>2</sub> photocatalysts. <i>Catalysis Today</i> , 2022, 397-399, 165-172.	2.2	11
5	Diclofenac degradation properties of a La-doped visible light-responsive TiO <sub>2</sub> photocatalyst. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 25, 100564.	1.6	3
6	Production of H <sub>2</sub> - and CO-rich syngas from the CO <sub>2</sub> gasification of cow manure over (Sr/Mg)-promoted-Ni/Al <sub>2</sub> O <sub>3</sub> catalysts. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 37218-37226.	3.8	10
7	Comparison of Pore Structures of Cellulose-Based Activated Carbon Fibers and Their Applications for Electrode Materials. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3680.	1.8	16
8	Preparation of N and Eu doped TiO <sub>2</sub> using plasma in liquid process and its photocatalytic degradation activity for diclofenac. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 2080-2088.	1.2	6
9	Development of a hybrid reaction module linked to liquid-phase plasma and electrolysis for hydrogen production with wastewater decomposition. <i>Chemical Engineering Journal</i> , 2022, 445, 136725.	6.6	4
10	Destruction of oxytetracycline using a microwave-assisted fused TiO <sub>2</sub> photocatalytic oxidation system. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 3369-3376.	1.2	4
11	Hydrogen production by cracking of ammonium hydroxide using liquid-phase plasma on the modified TiO <sub>2</sub> photocatalysts. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 41631-41639.	3.8	6
12	Performance of platinum doping on spent alkaline battery-based catalyst for complete oxidation of o-xylene. <i>Environmental Science and Pollution Research</i> , 2021, 28, 24552-24557.	2.7	1
13	Biohydrogen production from catalytic conversion of food waste via steam and air gasification using eggshell- and homo-type Ni/Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Bioresource Technology</i> , 2021, 320, 124313.	4.8	59
14	Photocatalytic degradation of 1,4-dioxane and hydrogen production using liquid phase plasma on N- and Ni- codoped TiO <sub>2</sub> photocatalyst. <i>Materials Letters</i> , 2021, 283, 128751.	1.3	6
15	Recycling of a spent alkaline battery as a catalyst for the total oxidation of hydrocarbons. <i>Journal of Hazardous Materials</i> , 2021, 403, 123929.	6.5	13
16	Catalytic upgrading of <i>Quercus Mongolica</i> under methane environment to obtain high yield of bioaromatics. <i>Environmental Pollution</i> , 2021, 272, 116016.	3.7	10
17	Recent applications of the liquid phase plasma process. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 885-898.	1.2	19
18	Decomposition of naproxen by plasma in liquid process with TiO <sub>2</sub> photocatalysts and hydrogen peroxide. <i>Environmental Research</i> , 2021, 195, 110899.	3.7	4

#	ARTICLE	IF	CITATIONS
19	Effective toluene oxidation under ozone over mesoporous MnOx/γ-Al <sub>2</sub> O <sub>3</sub> catalyst prepared by solvent deficient method: Effect of Mn precursors on catalytic activity. <i>Environmental Research</i> , 2021, 195, 110876.	3.7	27
20	Catalytic Performance of Supported Bimetallic Catalysts for Complete Oxidation of Toluene. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 4060-4066.	0.9	0
21	Photocatalytic Reaction Properties of TiO <sub>2</sub> -Supported on the Long Lasting Phosphor: Sr <sub>4</sub> Al <sub>14</sub> O <sub>25</sub> :Eu <sup>2+</sup> , Dy <sup>3+</sup> . <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 3729-3734.	0.9	1
22	Catalytic Oxidation of Toluene with Ozone Over the Ru-Mn/Desilicated Nanoporous H-Zeolite Socony Mobil-5 at Room Temperature. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 3868-3871.	0.9	3
23	Kinetic Analysis for the Catalytic Pyrolysis of Wood Plastic Composite Over Al-MCM-41. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 3872-3876.	0.9	0
24	Effect of palladium on the black mass-based catalyst prepared from spent Zn/Mn alkaline batteries for catalytic combustion of volatile organic compounds. <i>Chemosphere</i> , 2021, 276, 130209.	4.2	7
25	Photocatalytic Properties of Amorphous N-Doped TiO <sub>2</sub> Photocatalyst under Visible Light Irradiation. <i>Catalysts</i> , 2021, 11, 1010.	1.6	21
26	Production of value-added aromatics from wasted COVID-19 mask via catalytic pyrolysis. <i>Environmental Pollution</i> , 2021, 283, 117060.	3.7	66
27	Acetaldehyde Adsorption Characteristics of Ag/ACF Composite Prepared by Liquid Phase Plasma Method. <i>Nanomaterials</i> , 2021, 11, 2344.	1.9	1
28	Catalytic steam gasification of food waste using Ni-loaded rice husk derived biochar for hydrogen production. <i>Chemosphere</i> , 2021, 280, 130671.	4.2	35
29	Waste furniture gasification using rice husk based char catalysts for enhanced hydrogen generation. <i>Bioresource Technology</i> , 2021, 341, 125813.	4.8	22
30	Bamboo-Based Mesoporous Activated Carbon for High-Power-Density Electric Double-Layer Capacitors. <i>Nanomaterials</i> , 2021, 11, 2750.	1.9	11
31	Preparation and Characterization of Silver-Iron Bimetallic Nanoparticles on Activated Carbon Using Plasma in Liquid Process. <i>Nanomaterials</i> , 2021, 11, 3385.	1.9	2
32	Hydrogen Production through Catalytic Water Splitting Using Liquid-Phase Plasma over Bismuth Ferrite Catalyst. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13591.	1.8	5
33	Photocatalytic hydrogen production with purification of wastewater from nuclear power plant under irradiation of liquid phase plasma. <i>Chemical Engineering Journal</i> , 2020, 386, 121552.	6.6	7
34	Effect of constituent processes and conditions of the hybrid TiO <sub>2</sub> photocatalytic system on 1,4-dichlorobenzene degradation. <i>Catalysis Today</i> , 2020, 348, 270-276.	2.2	1
35	Assessment of photocatalytic performance of Fe/N-TiO <sub>2</sub> photocatalysts prepared by liquid phase plasma process. <i>Catalysis Today</i> , 2020, 355, 435-442.	2.2	11
36	Simultaneous hydrogen production and pollutant degradation by photocatalysis of wastewater using liquid phase plasma. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 24028-24036.	3.8	8

#	ARTICLE	IF	CITATIONS
37	Facile Preparation of Ni-Co Bimetallic Oxide/Activated Carbon Composites Using the Plasma in Liquid Process for Supercapacitor Electrode Applications. <i>Nanomaterials</i> , 2020, 10, 61.	1.9	8
38	Degradation behaviors of naproxen by a hybrid TiO <sub>2</sub> photocatalyst system with process components. <i>Science of the Total Environment</i> , 2020, 708, 135216.	3.9	14
39	Rapid decomposition of chloroform by a liquid phase plasma reaction with titanium dioxide and hydrogen peroxide. <i>Catalysis Today</i> , 2020, 352, 54-59.	2.2	3
40	Acid-treated waste red mud as an efficient catalyst for catalytic fast copyrolysis of lignin and polypropylene and ozone-catalytic conversion of toluene. <i>Environmental Research</i> , 2020, 191, 110149.	3.7	17
41	Effect of Coupling Indium Tin Oxide with the TiO <sub>2</sub> @NaYF <sub>4</sub> :(Gd, Si) Composite for Photocatalytic Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 7629-7635.	0.9	3
42	Catalytic ozonation of toluene using Mn <sup>M</sup> bimetallic HZSM-5 (M: Fe, Cu, Ru, Ag) catalysts at room temperature. <i>Journal of Hazardous Materials</i> , 2020, 397, 122577.	6.5	64
43	Assessing the photocatalytic activity of europium doped TiO <sub>2</sub> using liquid phase plasma process on acetylsalicylic acid. <i>Catalysis Today</i> , 2020, , .	2.2	5
44	Photocatalytic degradation of 1,4-dioxane using liquid phase plasma on visible light photocatalysts. <i>Journal of Hazardous Materials</i> , 2020, 399, 123087.	6.5	14
45	Development of a Multiplex Bead-Based Method for the Microquantitation of <i>Î</i> -Catenin. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 5819-5822.	0.9	2
46	Enhanced bioaromatics synthesis via catalytic co-pyrolysis of cellulose and spent coffee ground over microporous HZSM-5 and HY. <i>Environmental Research</i> , 2020, 184, 109311.	3.7	6
47	Eco-friendly deicer prepared from waste oyster shells and its deicing properties with metal corrosion. <i>Environmental Technology (United Kingdom)</i> , 2020, 42, 1-9.	1.2	11
48	Correlation of hydrogen generation and optical emission properties of plasma in water photolysis on perovskite photocatalysts. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 8595-8604.	3.8	9
49	Catalytic Properties of Microporous Zeolite Catalysts in Synthesis of Isosorbide from Sorbitol by Dehydration. <i>Catalysts</i> , 2020, 10, 148.	1.6	18
50	Recent advances in volatile organic compounds abatement by catalysis and catalytic hybrid processes: A critical review. <i>Science of the Total Environment</i> , 2020, 719, 137405.	3.9	130
51	Production of biofuels from pine needle via catalytic fast pyrolysis over HBeta. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 493-496.	1.2	31
52	Fabrication of Yb-doped TiO <sub>2</sub> using liquid phase plasma process and its photocatalytic degradation activity of naproxen. <i>Journal of Materials Science</i> , 2020, 55, 9665-9675.	1.7	8
53	The photocatalytic destruction of cimetidine using microwave-assisted TiO <sub>2</sub> photocatalysts hybrid system. <i>Journal of Hazardous Materials</i> , 2020, 391, 122568.	6.5	15
54	Catalytic fast co-pyrolysis of organosolv lignin and polypropylene over in-situ red mud and ex-situ HZSM-5 in two-step catalytic micro reactor. <i>Applied Surface Science</i> , 2020, 511, 145521.	3.1	34

#	ARTICLE	IF	CITATIONS
55	Characteristics of hydrogen production by photocatalytic water splitting using liquid phase plasma over Ag-doped TiO <sub>2</sub> photocatalysts. <i>Environmental Research</i> , 2020, 188, 109630.	3.7	38
56	Fabrication of Molybdenum Oxide/Activated Carbon Using Liquid Phase Plasma Reaction and Its Electrochemical Performance. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 5579-5582.	0.9	0
57	Hydrocarbons Production from m-Cresol as a Lignin Model Compound Over Nickel Silicate Catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 5738-5741.	0.9	2
58	Catalytic Pyrolysis of Polyethylene Terephthalate Over Desilicated Beta. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 5594-5598.	0.9	1
59	The use of calcined seashell for the prevention of char foaming/agglomeration and the production of high-quality oil during the pyrolysis of lignin. <i>Renewable Energy</i> , 2019, 144, 147-152.	4.3	17
60	Catalytic hydrodeoxygenation of crude bio-oil in supercritical methanol using supported nickel catalysts. <i>Renewable Energy</i> , 2019, 144, 159-166.	4.3	65
61	Effect of Liquid Phase Plasma Irradiation on Production by Photocatalytic Water Splitting over SrTiO <sub>3</sub> Photocatalysts. <i>ChemCatChem</i> , 2019, 11, 6451-6459.	1.8	9
62	Decyl Glucoside Synthesized by Direct Glucosidation of D-Glucose Over Zeolite Catalysts and Its Estrogenicity as Non-Endocrine Disruptive Surfactant. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 1172-1175.	0.9	3
63	Catalytic co-pyrolysis of cellulose and linear low-density polyethylene over MgO-impregnated catalysts with different acid-base properties. <i>Chemical Engineering Journal</i> , 2019, 373, 375-381.	6.6	50
64	Heterogeneous photocatalytic degradation and hydrogen evolution from ethanolamine nuclear wastewater by a liquid phase plasma process. <i>Science of the Total Environment</i> , 2019, 676, 190-196.	3.9	11
65	Microquantitation of Van Gogh-like Protein 1 by Using Antibody-Conjugated Magnetic Beads. <i>Biochip Journal</i> , 2019, 13, 151-157.	2.5	5
66	Removal of toluene using ozone at room temperature over mesoporous Mn/Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Environmental Research</i> , 2019, 172, 649-657.	3.7	51
67	p300/CBP-associated factor promotes autophagic degradation of $\beta$ -catenin through acetylation and decreases prostate cancer tumorigenicity. <i>Scientific Reports</i> , 2019, 9, 3351.	1.6	17
68	H <sub>2</sub> Production from Yellow Poplar Gasification Over Ni/Spent FCC. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 1133-1136.	0.9	0
69	Production of an upgraded lignin-derived bio-oil using the clay catalysts of bentonite and olivine and the spent FCC in a bench-scale fixed bed pyrolyzer. <i>Environmental Research</i> , 2019, 172, 658-664.	3.7	19
70	Preparation of silicon oxide-carbon composite from benzene and trimethoxyphenylsilane by a liquid phase plasma method for supercapacitor applications. <i>Applied Surface Science</i> , 2019, 481, 625-631.	3.1	9
71	In-situ and ex-situ catalytic pyrolysis/co-pyrolysis of empty fruit bunches using mesostructured aluminosilicate catalysts. <i>Chemical Engineering Journal</i> , 2019, 366, 330-338.	6.6	84
72	Preparation of Boron Nitride-Coated Carbon Fibers and Synergistic Improvement of Thermal Conductivity in Their Polypropylene-Matrix Composites. <i>Polymers</i> , 2019, 11, 2009.	2.0	9

#	ARTICLE	IF	CITATIONS
73	Assessment of Degradation Behavior for Acetylsalicylic Acid Using a Plasma in Liquid Process. <i>Catalysts</i> , 2019, 9, 965.	1.6	3
74	In-Situ Catalytic Fast Pyrolysis of Pinecone over HY Catalysts. <i>Catalysts</i> , 2019, 9, 1034.	1.6	9
75	Pd/C catalyzed transfer hydrogenation of pyrolysis oil using 2-propanol as hydrogen source. <i>Chemical Engineering Journal</i> , 2019, 377, 119986.	6.6	38
76	ErbB4/KITENIN-Mediated Signaling is Activated in Cetuximab-Resistant Colorectal Cancer Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 1166-1171.	0.9	4
77	Preparation and Characterization of Bimetallic Fe-Ni Oxide Nanoparticles Using Liquid Phase Plasma Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 2362-2365.	0.9	1
78	Degradation of dimethyl phthalate using a liquid phase plasma process with TiO <sub>2</sub> photocatalysts. <i>Environmental Research</i> , 2019, 169, 256-260.	3.7	19
79	In-Situ Catalytic Pyrolysis of Waste Lignin Over Desilicated Beta. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 1074-1077.	0.9	0
80	Enhanced stability of bio-oil and diesel fuel emulsion using Span 80 and Tween 60 emulsifiers. <i>Journal of Environmental Management</i> , 2019, 231, 694-700.	3.8	52
81	Facile Synthesis of Chromium Oxide on Activated Carbon Electrodes for Electrochemical Capacitor Application. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 1078-1081.	0.9	2
82	Acetaldehyde removal and increased H <sub>2</sub> /CO gas yield from biomass gasification over metal-loaded Kraft lignin char catalyst. <i>Journal of Environmental Management</i> , 2019, 232, 330-335.	3.8	12
83	Comparison studies on pore development mechanisms of activated hard carbons from polymeric resins and their applications for electrode materials. <i>Renewable Energy</i> , 2019, 144, 116-122.	4.3	13
84	Fabrication of Gd-La codoped TiO <sub>2</sub> composite via a liquid phase plasma method and its application as visible-light photocatalysts. <i>Applied Surface Science</i> , 2019, 471, 893-899.	3.1	33
85	Facile preparation of tungsten oxide doped TiO <sub>2</sub> photocatalysts using liquid phase plasma process for enhanced degradation of diethyl phthalate. <i>Chemical Engineering Journal</i> , 2019, 377, 120087.	6.6	45
86	Enhancement of photocatalytic hydrogen production by liquid phase plasma irradiation on metal-loaded TiO <sub>2</sub> /carbon nanofiber photocatalysts. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 11422-11429.	3.8	36
87	Facile precipitation of tin oxide nanoparticles on graphene sheet by liquid phase plasma method for enhanced electrochemical properties. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 750-756.	1.2	13
88	Assessing the electrochemical performance of a supercapacitor electrode made of copper oxide and activated carbon using liquid phase plasma. <i>Applied Surface Science</i> , 2018, 446, 243-249.	3.1	21
89	Irradiation of liquid phase plasma on photocatalytic decomposition of acetic acid-containing wastewater over metal oxide photocatalysts. <i>Catalysis Today</i> , 2018, 307, 131-139.	2.2	20
90	Rapid photocatalytic degradation of nitrobenzene under the simultaneous illumination of UV and microwave radiation fields with a TiO <sub>2</sub> ball catalyst. <i>Catalysis Today</i> , 2018, 307, 65-72.	2.2	42

#	ARTICLE	IF	CITATIONS
91	Development of hydrogen production by liquid phase plasma process of water with Ni TiO <sub>2</sub> /carbon nanotube photocatalysts. International Journal of Hydrogen Energy, 2018, 43, 5873-5880.	3.8	20
92	Visible Light Photocatalytic Activity of NaYF <sub>4</sub> :(Yb,Er)-CuO/TiO <sub>2</sub> Composite. Catalysts, 2018, 8, 521.	1.6	8
93	Enhanced Electrochemical Performance of Carbon Nanotube with Nitrogen and Iron Using Liquid Phase Plasma Process for Supercapacitor Applications. International Journal of Molecular Sciences, 2018, 19, 3830.	1.8	6
94	A Hybrid Reactor System Comprised of Non-Thermal Plasma and Mn/Natural Zeolite for the Removal of Acetaldehyde from Food Waste. Catalysts, 2018, 8, 389.	1.6	7
95	Liquid Phase Plasma Synthesis of Iron Oxide Nanoparticles on Nitrogen-Doped Activated Carbon Resulting in Nanocomposite for Supercapacitor Applications. Nanomaterials, 2018, 8, 190.	1.9	19
96	Stabilization of bio-oil over a low cost dolomite catalyst. Korean Journal of Chemical Engineering, 2018, 35, 922-925.	1.2	41
97	Hydrodeoxygenation of Pyrolysis Bio-Oil Over Ni Impregnated Mesoporous Materials. Journal of Nanoscience and Nanotechnology, 2018, 18, 1331-1335.	0.9	3
98	Facile Synthesis and Characterization of Zinc Oxide Nanoparticle on Activated Carbon Using Liquid Phase Plasma Method. Journal of Nanoscience and Nanotechnology, 2018, 18, 2181-2184.	0.9	0
99	Visible Light Photocatalytic Performance of <i>In Situ</i> Synthesized Graphite-SiO <sub>2</sub> -TiO <sub>2</sub> Composite Towards Degradation of Benzene Gas. Journal of Nanoscience and Nanotechnology, 2018, 18, 2032-2036.	0.9	3
100	Estrogenicity of Octyl Glucoside Synthesized by Direct Glucosidation as Non-Endocrine Disruptive Surfactant. Journal of Nanoscience and Nanotechnology, 2018, 18, 1478-1481.	0.9	0
101	Precipitation of Nickel Oxide on TiO <sub>2</sub> Photocatalysts for Enhanced Visible Degradation Activity. Journal of Nanoscience and Nanotechnology, 2018, 18, 1279-1282.	0.9	0
102	Suppressed char agglomeration by rotary kiln reactor with alumina ball during the pyrolysis of Kraft lignin. Journal of Industrial and Engineering Chemistry, 2018, 66, 72-77.	2.9	35
103	Microquantitation of Prostate-Specific Antigen by Using Antibody-Conjugated Magnetic Microsphere Beads. Journal of Nanoscience and Nanotechnology, 2018, 18, 1474-1477.	0.9	1
104	Removal of Food Waste Odor Using Nanoporous Carbon Adsorbents. Journal of Nanoscience and Nanotechnology, 2018, 18, 1492-1494.	0.9	4
105	Catalytic Pyrolysis of Organosolv and Klason Lignin Over Al-SBA-15. Journal of Nanoscience and Nanotechnology, 2018, 18, 1423-1426.	0.9	12
106	Effect of liquid phase plasma on photocatalysis of water for hydrogen evolution. International Journal of Hydrogen Energy, 2017, 42, 17386-17393.	3.8	12
107	Assembling a supercapacitor electrode with dual metal oxides and activated carbon using a liquid phase plasma. Journal of Environmental Management, 2017, 203, 880-887.	3.8	10
108	Precipitation of Tin Oxide Nanoparticles on Graphene Sheets Using a Liquid Phase Plasma Process. Journal of Nanoscience and Nanotechnology, 2017, 17, 4288-4291.	0.9	1



#	ARTICLE	IF	CITATIONS
109	Enhancement of Hydrogen Evolution from Water Photocatalysis Using Liquid Phase Plasma on Metal Oxide-Loaded Photocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3659-3666.	3.2	32
110	Catalytic Hydrodeoxygenation of Bio-Oils Derived from Pyrolysis of Cork Oak Using Supercritical Ethanol. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 2674-2677.	0.9	3
111	Improving removal of 4-chlorophenol using a TiO <sub>2</sub> photocatalytic system with microwave and ultraviolet radiation. <i>Catalysis Today</i> , 2017, 293-294, 15-22.	2.2	41
112	Co-application of liquid phase plasma process for hydrogen production and degradation of acetaldehyde over Ni TiO <sub>2</sub> supported on porous materials. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 24099-24107.	3.8	14
113	Facile synthesis of iron-ruthenium bimetallic oxide nanoparticles on carbon nanotube composites by liquid phase plasma method for supercapacitor. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 2993-2998.	1.2	42
114	Catalytic co-pyrolysis of biomass carbohydrates with LLDPE over Al-SBA-15 and mesoporous ZSM-5. <i>Catalysis Today</i> , 2017, 298, 46-52.	2.2	44
115	In-Situ Catalytic Pyrolysis of Xylan and Dealkaline Lignin over SAPO-11. <i>Topics in Catalysis</i> , 2017, 60, 644-650.	1.3	6
116	In-situ catalytic pyrolysis of lignin in a bench-scale fixed bed pyrolyzer. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 54, 447-453.	2.9	83
117	Tin Oxide/Carbon Nanocomposites as the Electrode Material for Supercapacitors Using a Liquid Phase Plasma Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 2578-2581.	0.9	4
118	Upgrading of pyrolysis bio-oil using WO <sub>3</sub> /ZrO <sub>2</sub> and Amberlyst catalysts: Evaluation of acid number and viscosity. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 2180-2187.	1.2	43
119	Highly Selective Catalytic Properties of HZSM-5 Zeolite in the Synthesis of Acetyl Triethyl Citrate by the Acetylation of Triethyl Citrate with Acetic Anhydride. <i>Catalysts</i> , 2017, 7, 321.	1.6	11
120	Catalytic Pyrolysis of Geodae-Uksae 1 Over Mesoporous Materials Produced from Zeolite HBeta. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 8260-8264.	0.9	0
121	Polytetrafluoroethylene Surface Modification Using Atmospheric-Pressure Plasma Polymerization. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 11964-11967.	0.9	0
122	Microporous Zeolites as Catalysts for the Preparation of Decyl Glucoside from Glucose with 1-Decanol by Direct Glucosidation. <i>Catalysts</i> , 2016, 6, 216.	1.6	6
123	Characterization of Bimetallic Fe-Ru Oxide Nanoparticles Prepared by Liquid-Phase Plasma Method. <i>Nanoscale Research Letters</i> , 2016, 11, 344.	3.1	12
124	Precipitation of Manganese and Nickel Nanoparticles on an Activated Carbon Powder for Electrochemical Capacitor Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 11460-11464.	0.9	1
125	Catalytic pyrolysis of lignin using a two-stage fixed bed reactor comprised of in-situ natural zeolite and ex-situ HZSM-5. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 122, 282-288.	2.6	74
126	Fe-decorated TiO <sub>2</sub> powder photocatalysts with enhanced visible-light-driven degradation activities. <i>Surface and Coatings Technology</i> , 2016, 307, 1018-1023.	2.2	10



#	ARTICLE	IF	CITATIONS
127	Catalytic Hydrodeoxygenation of Bio-oil Model Compounds over Pt/HY Catalyst. <i>Scientific Reports</i> , 2016, 6, 28765.	1.6	133
128	Production of aromatic hydrocarbons via catalytic co-pyrolysis of torrefied cellulose and polypropylene. <i>Energy Conversion and Management</i> , 2016, 129, 81-88.	4.4	63
129	Recent advances in the catalytic hydrodeoxygenation of bio-oil. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 3299-3315.	1.2	104
130	Facile synthesis of bimetallic Ni-Cu nanoparticles using liquid phase plasma method. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 1075-1079.	1.2	26
131	Catalytic Copyrolysis of Cellulose and Thermoplastics over HZSM-5 and HY. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 1354-1363.	3.2	113
132	Effects of calcination and support on supported manganese catalysts for the catalytic oxidation of toluene as a model of VOCs. <i>Research on Chemical Intermediates</i> , 2016, 42, 185-199.	1.3	19
133	In vitro study of 3D PLGA/n-HAp/ $\beta$ -TCP composite scaffolds with etched oxygen plasma surface modification in bone tissue engineering. <i>Applied Surface Science</i> , 2016, 388, 321-330.	3.1	46
134	Rapid degradation of methyl orange using hybrid advanced oxidation process and its synergistic effect. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 35, 205-210.	2.9	57
135	Synthesis of cobalt oxide-manganese oxide on activated carbon electrodes for electrochemical capacitor application using a liquid phase plasma method. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 7582-7589.	3.8	19
136	Removal of Cu <sup>2+</sup> by biochars derived from green macroalgae. <i>Environmental Science and Pollution Research</i> , 2016, 23, 985-994.	2.7	52
137	Impregnation of Cobalt on Graphene Sheet Using Liquid Phase Plasma Method for Lithium-Ion Batteries Application. <i>Science of Advanced Materials</i> , 2016, 8, 1769-1773.	0.1	5
138	Application Of Liquid Phase Plasma Process To The Synthesize Ruthenium Oxide/activated Carbon Composite As Dielectric Material For Supercapacitor. <i>Advanced Materials Letters</i> , 2016, 7, 98-103.	0.3	3
139	Adsorptive removal of atmospheric pollutants over <i>Pyropia tenera</i> chars. <i>Carbon Letters</i> , 2016, 19, 79-88.	3.3	17
140	Au Nanoparticles Grafting on Polyethylene by Using Atmospheric Pressure Gas Discharge. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 11448-11452.	0.9	0
141	Catalytic Rapid Pyrolysis of <i>Quercus variabilis</i> over Nanoporous Catalysts. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-6.	1.5	3
142	Application of Recycled Zero-Valent Iron Nanoparticle to the Treatment of Wastewater Containing Nitrobenzene. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-8.	1.5	11
143	Effect of 660nm Light-Emitting Diode on the Wound Healing in Fibroblast-Like Cell Lines. <i>International Journal of Photoenergy</i> , 2015, 2015, 1-9.	1.4	6
144	Preparation and Characterization of Cobalt/Graphene Composites Using Liquid Phase Plasma System. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 228-231.	0.9	10

#	ARTICLE	IF	CITATIONS
145	Photo-catalytic destruction of ethylene using microwave discharge electrodeless lamp. Korean Journal of Chemical Engineering, 2015, 32, 1188-1193.	1.2	23
146	Effect of the surfactant on size of nickel nanoparticles generated by liquid-phase plasma method. International Journal of Precision Engineering and Manufacturing, 2015, 16, 1305-1310.	1.1	11
147	Pyrolysis and catalytic upgrading of Citrus unshiu peel. Bioresource Technology, 2015, 194, 312-319.	4.8	60
148	TiO <sub>2</sub> photocatalyst film using circulating fluidised bed chemical vapour deposition. Surface Engineering, 2015, 31, 134-139.	1.1	7
149	Investigation on Sized-Regulated Iron Nanoparticles Prepared by Liquid Phase Plasma Reduction Process. Journal of Nanoscience and Nanotechnology, 2015, 15, 518-521.	0.9	2
150	Titanium dioxide modification with cobalt oxide nanoparticles for photocatalysis. Journal of Industrial and Engineering Chemistry, 2015, 32, 259-263.	2.9	41
151	Synthesis of manganese oxide/activated carbon composites for supercapacitor application using a liquid phase plasma reduction system. International Journal of Hydrogen Energy, 2015, 40, 754-759.	3.8	35
152	Photocatalytic reactions of 2,4-dichlorophenoxyacetic acid using a microwave-assisted photocatalysis system. Chemical Engineering Journal, 2015, 278, 259-264.	6.6	35
153	Electrochemical Properties of Chemically Processed $\text{SiO}_2$ Coating Material in Lithium-Ion Batteries with Si Anode. Scientific World Journal, The, 2014, 2014, 1-7.	0.8	1
154	Preparation and Characterization of Copper Nanoparticles via the Liquid Phase Plasma Method. Current Nanoscience, 2014, 10, 7-10.	0.7	31
155	Biological Effect of Gas Plasma Treatment on CO <sub>2</sub> Gas Foaming/Salt Leaching Fabricated Porous Polycaprolactone Scaffolds in Bone Tissue Engineering. Journal of Nanomaterials, 2014, 2014, 1-6.	1.5	27
156	Liquid Phase Plasma Synthesis of Iron Oxide/Carbon Composite as Dielectric Material for Capacitor. Journal of Nanomaterials, 2014, 2014, 1-6.	1.5	7
157	Photocatalytic Activity of Hierarchically Structured TiO <sub>2</sub> Films Synthesized by Chemical Vapor Deposition. International Journal of Photoenergy, 2014, 2014, 1-7.	1.4	1
158	Photodegradation of HCFC-22 Using Microwave Discharge Electrodeless Mercury Lamp with TiO <sub>2</sub> Photocatalyst Balls. Journal of Chemistry, 2014, 2014, 1-6.	0.9	5
159	Contribution of Dissolved Oxygen to Methyl Orange Decomposition by Liquid Phase Plasma Processes System. Ozone: Science and Engineering, 2014, 36, 244-248.	1.4	13
160	Pyrolysis of Suncheon-Bay wild reed over zeolite catalysts. Journal of Renewable and Sustainable Energy, 2014, 6, 042002.	0.8	2
161	Performance improvement of liquid phase plasma processed carbon blacks electrode in lithium ion battery applications. International Journal of Precision Engineering and Manufacturing, 2014, 15, 1689-1693.	1.1	3
162	Pyrolysis and co-pyrolysis of Laminaria japonica and polypropylene over mesoporous Al-SBA-15 catalyst. Nanoscale Research Letters, 2014, 9, 376.	3.1	25

#	ARTICLE	IF	CITATIONS
163	Carbon black nanoparticles with a high reversible capacity synthesized by liquid phase plasma process. Research on Chemical Intermediates, 2014, 40, 2559-2564.	1.3	2
164	Bipolar Pulsed Electrical Discharge for Synthesis of Tungsten Nanoparticles in the Aqueous Solutions. Science of Advanced Materials, 2014, 6, 1599-1604.	0.1	13
165	The Effect of Liquid Phase Plasma for Photocatalytic Degradation of Bromothymol Blue. Science of Advanced Materials, 2014, 6, 1627-1631.	0.1	8
166	Rapid destruction of the rhodamine B using TiO <sub>2</sub> photocatalyst in the liquid phase plasma. Chemistry Central Journal, 2013, 7, 156.	2.6	31
167	Preparation of Carbon Blacks by Liquid Phase Plasma (LPP) Process. Journal of Nanoscience and Nanotechnology, 2013, 13, 7381-7385.	0.9	13
168	Preparation and characterization of zero valent iron powders via transfer type reductor using iron oxide from the acid regeneration process. Advanced Powder Technology, 2013, 24, 858-863.	2.0	11
169	Effect of anatase phase on electrochemical properties of the TiO <sub>2</sub> (B) negative electrode for lithium-ion battery application. Current Applied Physics, 2013, 13, S148-S151.	1.1	9
170	Preparation of nonaggregated silver nanoparticles by the liquid phase plasma reduction method. Journal of Materials Research, 2013, 28, 1105-1110.	1.2	53
171	Synthesis Process of Cobalt Nanoparticles in Liquid-Phase Plasma. Japanese Journal of Applied Physics, 2013, 52, 01AN03.	0.8	10
172	Synthesis of Manganese Nanoparticles in the Liquid Phase Plasma. Journal of Nanoscience and Nanotechnology, 2013, 13, 6103-6108.	0.9	6
173	Bipolar Pulsed Electrical Discharge for Decomposition of Methylene Blue in Aqueous TiO <sub>2</sub> Nanoparticle Dispersions. Journal of Nanoscience and Nanotechnology, 2013, 13, 1966-1969.	0.9	4
174	Annealing Effect on the Microstructure and Electrochemical Properties of Fe <sub>2</sub> O <sub>3</sub> /H-TiNT/FTO Thin Film. Journal of Nanoscience and Nanotechnology, 2013, 13, 1863-1866.	0.9	4
175	Enhanced Water Splitting by Fe <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> -FTO Photoanode with Modified Energy Band Structure. Scientific World Journal, The, 2013, 2013, 1-8.	0.8	15
176	Contribution of Dissolved Oxygen to Methylene Blue Decomposition by Hybrid Advanced Oxidation Processes System. International Journal of Photoenergy, 2012, 2012, 1-6.	1.4	12
177	Photoelectrochemical Properties of Supported on -Based Thin Films Converted from Self-Assembled Hydrogen Titanate Nanotube Powders. Journal of Nanomaterials, 2012, 2012, 1-6.	1.5	14
178	Biocompatibility of plasma polymerized sandblasted large grit and acid titanium surface. Thin Solid Films, 2012, 521, 150-154.	0.8	24
179	Microstructural effect on the photoelectrochemical performance of hematite-Fe <sub>2</sub> O <sub>3</sub> photoanode for water splitting. Electronic Materials Letters, 2012, 8, 345-350.	1.0	12
180	Wild reed of Suncheon Bay: Potential bio-energy source. Renewable Energy, 2012, 42, 168-172.	4.3	33

#	ARTICLE	IF	CITATIONS
181	Effects of operation conditions on pyrolysis characteristics of agricultural residues. <i>Renewable Energy</i> , 2012, 42, 125-130.	4.3	58
182	Photocatalyzed destruction of organic dyes using microwave/UV/O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> /TiO <sub>2</sub> oxidation system. <i>Catalysis Today</i> , 2011, 164, 384-390.	2.2	38
183	Preparation of Hydrogen Titanate Nanotube/FTO Glass Thin Film Obtained by the Layer-by-Layer-Self Assembling Method for Water Splitting. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 7210-7213.	0.9	6
184	Crystalline Characterization and Photodecomposition Properties of Rod-Shaped Na <sub>2</sub> S <sub>2</sub> Ti <sub>6</sub> O <sub>13</sub> Powder Prepared by Molten Salt Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 7269-7272.	0.9	9
185	Degradation of organic dye using zero-valent iron prepared from by-product of pickling line. <i>Water Science and Technology</i> , 2011, 64, 960-966.	1.2	1
186	The microwave-assisted photo-catalytic degradation of organic dyes. <i>Water Science and Technology</i> , 2011, 63, 1491-1498.	1.2	35
187	10.2478/s11814-009-0331-3. , 2011, 26, 1795.		0
188	Photo-catalytic degradation of rhodamine B using microwave powered electrodeless discharge lamp. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 672-676.	1.2	5
189	A study of the photocatalytic destruction of propylene using microwave discharge electrodeless lamp. <i>Journal of Industrial and Engineering Chemistry</i> , 2010, 16, 947-951.	2.9	14
190	Preparation of high purity nano silica particles from blast-furnace slag. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 1901-1905.	1.2	11
191	Assessment of Microwave/UV/O <sub>3</sub> in the Photo-Catalytic Degradation of Bromothymol Blue in Aqueous Nano TiO <sub>2</sub> Particles Dispersions. <i>Nanoscale Research Letters</i> , 2010, 5, 1627-1632.	3.1	26
192	Characterization of zero valent iron prepared from by-product of pickling line and its decomposition reaction activity. <i>Korean Journal of Chemical Engineering</i> , 2009, 26, 1795-1799.	1.2	5
193	Photocatalytic activities and specific surface area of TiO <sub>2</sub> films prepared by CVD and sol-gel method. <i>Korean Journal of Chemical Engineering</i> , 2008, 25, 364-367.	1.2	33
194	Effect of TiO <sub>2</sub> thin film thickness and specific surface area by low-pressure metal-organic chemical vapor deposition on photocatalytic activities. <i>Applied Catalysis B: Environmental</i> , 2005, 55, 253-257.	10.8	121
195	Preparation, crystal structure, and photocatalytic activity of TiO <sub>2</sub> films by chemical vapor deposition. <i>Korean Journal of Chemical Engineering</i> , 2001, 18, 867-872.	1.2	34
196	The growth of LiNbO <sub>3</sub> thin film by LPMOCVD using $\beta^2$ -diketonate complexes. <i>Korean Journal of Chemical Engineering</i> , 1999, 16, 229-233.	1.2	11